

Before the  
FEDERAL COMMUNICATIONS COMMISSION  
Washington, D.C. 20554

OCT 19 1993

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

In the Matter of ) MM Docket No. \_\_\_\_\_  
 )  
Amendment of Section 73.202(b) ) RM- \_\_\_\_\_  
FM Table of Assignments )  
(Jeffersontown, Shelbyville and )  
Richmond, Kentucky) )

TO: Michael Ruger, Chief, Allocations Branch  
Policy and Rules Division, Mass Media Bureau

JOINT PETITION FOR RULE MAKING  
AND  
REQUEST FOR MODIFICATION OF LICENSES

1. Channel Chek, Inc. ("Channel Chek"), licensee of Station WLSY-FM, Jeffersontown, Kentucky, WCBR Radio, Inc. ("WCBR"), licensee of Station WMCQ(FM), Richmond, Kentucky, and Shelby County Broadcasting, Inc. ("SCBI"), licensee of Station WTHQ(FM), Shelbyville, Kentucky, hereby jointly petition the Commission to make the following changes in the FM Table of Assignments, Section 73.202(b) of the Commission's Rules:

<u>Community</u>	<u>Current Channel Assignments</u>	<u>Proposed Channel Assignments</u>
Jeffersontown, KY	269A	267A
Richmond, KY	269A	268C3
Shelbyville, KY	267A	269A

Moreover, in view of the fact that the proposed changes would all be precluded by, or mutually exclusive with, the existing allocation of channels to the Joint Petitioners' respective stations, the Joint Petitioners also request, pursuant to Section 1.420(g)(3) of the Commission's Rules, that their licenses

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be modified as proposed herein. In support hereof the following is shown:

2. Each of the Joint Petitioners' respective stations presently operates as a Class A facility with three kilowatts of power (or, in the case of Station WLSY-FM, with the equivalent of three kilowatts of power). As set forth in the accompanying Engineering Statement, the Joint Petitioners have determined that, by making relatively slight adjustments to the Table of Assignments, each of the three stations could obtain significantly upgraded facilities: Stations WLSY-FM and WTHQ(FM) could effectively double their current power to the equivalent of six kilowatts each, and Station WMCQ(FM) could increase to Class C3 facilities with 25 kilowatts. These upgrades can be achieved from sites which are fully-spaced to one another and to all other relevant channel assignments, also as reflected in the accompanying Engineering Statement. Further, the upgrades can be achieved through very limited modifications involving only the channels already utilized by the stations in question (or channels the use of which would be precluded by the stations' existing operation). <sup>1/</sup> Because of this, the Joint Petitioners also seek modification of their respective licenses to specify the new channels proposed herein, as provided in Section 1.420(g)(3) of the

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<sup>1/</sup> That is, the proposal calls for Stations WLSY-FM and WTHQ(FM) to, in effect, "swap" channels, with WLSY-FM moving from Channel 269A to 267A and WTHQ(FM) moving from 267A to 269A. The proposal also calls for Station WMCQ(FM) to move from Channel 269A to first adjacent Channel 268C3, use of which is clearly precluded by WMCQ(FM)'s current authorization on Channel 269A.

Commission's Rules.

3. Approval of the proposed channel realignments (and, in the case of Richmond, reclassification) would be consistent with the Commission's statutory mandate to maximize the efficient use of the broadcast spectrum. See 47 U.S.C. §307(b). Obviously, if three Class A channels, each being utilized for three kilowatt operation, can be realigned -- without adverse effect to any other channel assignment -- to permit two of the three channels to be operated with double their current power, and the third to be operated with more than eight times its current power, such modifications will permit a far more efficient use of the channels in question.

4. Since the proposed realignment of channels will work to the advantage of each of the Joint Petitioners, all three have agreed to jointly share in the costs of the preparation and prosecution of the instant petition. Additionally, all of the Joint Petitioners are committed to preparing and filing applications proposing modification of their respective stations as set forth herein upon adoption of the instant proposal by the Commission, and all Joint Petitioners are committed to constructing the modified facilities upon grant of their respective applications.

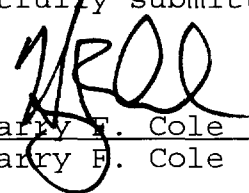
WHEREFORE, for the reasons stated, Channel Chek, Inc., WCBR Radio, Inc., and Shelby County Broadcasting, Inc. hereby jointly petition the Commission to make the following changes in the FM Table of Assignments, Section 73.202(b) of the Commission's

Rules:

<u>Community</u>	<u>Current Channel Assignments</u>	<u>Proposed Channel Assignments</u>
Jeffersontown, KY	269A	267A
Richmond, KY	269A	268C3
Shelbyville, KY	267A	269A

Further, the Joint Petitioners request that, simultaneously with adoption of these proposed changes in the Table of Assignments, the Commission modify the licenses of the Joint Petitioners' respective stations in the affected communities to conform with the changes in the Table of Assignments.

Respectfully submitted,

  
/s/ Harry F. Cole  
Harry F. Cole

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Counsel for Joint Petitioners Channel  
Chek, Inc., WCBR Radio, Inc. and  
Shelby County Broadcasting, Inc.

October 19, 1993

**TECHNICAL STATEMENT**  
**IN SUPPORT OF JOINT PETITION FOR RULE MAKING**  
**WLSY-269A CHANNEL CHEK, INC. JEFFERSONTOWN, KENTUCKY**  
**WTHQ-267A SHELBY COUNTY BROADCASTING, INC. SHELBYVILLE, KENTUCKY**  
**WMCQ-269A WCBR RADIO, INC. RICHMOND, KENTUCKY**

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**PREPARED BY:**

**BROADCAST TECHNICAL, INC.**  
**NEW ORLEANS, LOUISIANA**

*October 1993*

**TECHNICAL STATEMENT  
IN SUPPORT OF JOINT PETITION FOR RULE MAKING  
WLSY-269A CHANNEL CHEK, INC. JEFFERSONTOWN, KENTUCKY  
WTHQ-267A SHELBY COUNTY BROADCASTING, INC. SHELBYVILLE, KENTUCKY  
WMCQ-269A WCBR RADIO, INC. RICHMOND, KENTUCKY**

**INTRODUCTION**

This technical statement and associated exhibits have been prepared on behalf of Channel Chek, Inc., licensee of WLSY-FM, Shelby County Broadcasting, Inc., licensee of WTHQ-FM, and WCBR Radio, Inc., licensee of WMCQ-FM (herein "petitioners") in support of a joint Petition for Rule Making as detailed herein.

**PROPOSED CHANGE IN FM TABLE OF ALLOTMENTS**

Petitioners herein request modification of the FM Table of Allotments, 47 CFR 73.202(b) as follows: substitution of channel 267A for 269A in Jeffersontown, KY; substitution of channel 269A for 267A in Shelbyville, KY; and substitution of channel 268C3 for 269A in Richmond, KY.

The proposed changes are as follows:

<b><u>COMMUNITY</u></b>	<b><u>PRESENT CHANNEL</u></b>	<b><u>PROPOSED CHANNEL</u></b>
<b>JEFFERSONTOWN, KY</b>	<b>269A</b>	<b>267A</b>
<b>SHELBYVILLE, KY</b>	<b>267A</b>	<b>269A</b>
<b>RICHMOND, KY</b>	<b>269A</b>	<b>268C3</b>

## **WLSY JEFFERSONTOWN, COMPLIANCE WITH FCC RULES**

Station WLSY-FM is currently operating on channel 269A at Jeffersontown, Kentucky, with an effective radiated power of 1.9 kilowatts and antenna height above average terrain of 126 meters, as authorized by BLH-900516KC.

Figure 1 is a tabulation of a detailed FM separation study pertinent to the use of channel 267A at Jeffersontown. For purposes of this study WTHQ has been considered as operating on channel 269A at a reference point illustrated in the instant exhibit.

The following reference point has been selected for channel 267A at Jeffersontown:

**Latitude: 38-13-41**  
**Longitude: 85-30-30**

Figure 2 illustrates the location of the proposed reference point on a USGS 7.5 minute topographic map. The proposed reference point is located approximately 6 kilometers from the Jeffersontown, Kentucky reference point listed in the Index to the USGS National Atlas. Operation from this site, or in the adjacent area, with maximum Class A facilities (ERP 6 kW, 100 meters) would provide the requisite 70 dBu coverage of Jeffersontown (see Figures 4 and 5) in compliance with 47 CFR 73.315.

The proposed reference point is not located within 290 kilometers of a U.S. border and, therefore, foreign concurrence is not required. The proposed reference point complies with the Commission's minimum distance separation requirements for Class A facilities contained in 47 CFR 73.207 to all known Licenses, Construction Permits, Open Allocations, pending Applications, and pending Rule Makings, except for WTHQ, as noted above.

The present WLSY-FM operation provides FM primary (60 dBu, 1mV/m) service to a land area of approximately 1913 square kilometers containing an estimated population (1990 census) of 572,547 persons.

Operation from the proposed reference point with maximum Class A facilities would provide FM primary service to a land area of approximately 2504 square kilometers containing an estimated population of 770,517 persons (1990 census). This represents an increase in land area of 31%, and an increase in population of 34%.

### **WTHQ SHELBYVILLE, COMPLIANCE WITH FCC RULES**

Station WTHQ-FM is currently operating on channel 267A at Shelbyville, Kentucky, with an effective radiated power of 3 kilowatts and antenna height above average terrain of 100 meters, as authorized by BLH-891124KA.

Figure 6 is a tabulation of a detailed FM separation study pertinent to the use of channel 269A at Shelbyville. For purposes of this study WLSY has been considered as operating on channel 267A at a reference point illustrated in the instant exhibit, and WMCQ has been considered as operating on channel 268C3 at its presently licensed site.

The following reference point has been selected for channel 269A at Shelbyville:

**Latitude: 38-12-48**  
**Longitude: 85-09-13**

Figure 7 illustrates the location of the proposed reference point on a USGS 7.5 minute topographic map. The proposed reference point is located approximately 7 kilometers from the Shelbyville, Kentucky reference point listed in the Index to the USGS National Atlas. Operation from this site, or in the adjacent area, with maximum Class A facilities (ERP 6 kW, 100 meters) would provide the requisite 70 dBu coverage of Shelbyville (see Figures 9 and 10) in compliance with 47 CFR 73.315.



The proposed reference point is not located within 290 kilometers of a U.S. border and, therefore, foreign concurrence is not required. The proposed reference point complies with the Commission's minimum distance separation requirements for Class A facilities contained in 47 CFR 73.207 to all known Licenses, Construction Permits, Open Allocations, pending Applications, and pending Rule Makings except for WLSY and WMCQ, as noted above.

The present WTHQ-FM operation provides FM primary (60 dBu, 1mV/m) service to a land area of approximately 1819 square kilometers containing an estimated population (1990 census) of 39,049 persons.

Operation from the proposed reference point with maximum Class A facilities would provide FM primary service to a land area of approximately 2501 square kilometers containing an estimated population of 94,721 persons (1990 census). This represents an increase in land area of 37%, and an increase in population of 242%.

### **WMCQ RICHMOND, COMPLIANCE WITH FCC RULES**

Station WMCQ-FM is currently operating on channel 269A at Richmond, Kentucky, with an effective radiated power of 3 kilowatts and antenna height above average terrain of 70 meters, as authorized by BLH-5490.

Figure 11 is a tabulation of a detailed FM separation study pertinent to the use of channel 268C3 at Richmond.

The following reference point has been selected for channel 268C3 at Richmond:

**Latitude: 37-44-09**  
**Longitude: 84-16-05**

This site is also WMCQ's presently licensed antenna site for its operation on channel 269A.

Figure 12 illustrates the location of the proposed reference point on a USGS 7.5 minute topographic map. The proposed reference point is located approximately 3.2 kilometers from the Richmond, Kentucky reference point listed in the Index to the USGS National Atlas. Operation from this site, or in the adjacent area, with maximum Class C3 facilities (ERP 25 kW, 100 meters) would provide the requisite 70 dBu coverage of Richmond (see Figures 14 and 15) in compliance with 47 CFR 73.315.

The proposed reference point is not located within 290 kilometers of a U.S. border and, therefore, foreign concurrence is not required. The proposed reference point complies with the Commission's minimum distance separation requirements for Class C3 facilities contained in 47 CFR 73.207 to all known Licenses, Construction Permits, Open Allocations, pending Applications, and pending Rule Makings.

The present WMCQ-FM operation provides FM primary (60 dBu, 1mV/m) service to a land area of approximately 1341 square kilometers containing an estimated population (1990 census) of 55,224 persons.

Operation from the proposed reference point with maximum Class C3 facilities would provide FM primary service to a land area of approximately 4790 square kilometers containing an estimated population of 287,447 persons (1990 census). This represents an increase in land area of 357%, and an increase in population of 520%.

## **CONCLUSION**

WLSY (CH. 269A), Jeffersontown, and WTHQ (CH. 267A), Shelbyville, can exchange channels with each other resulting in fully spaced 6 kw class A facilities for each station provided that WMCQ, (CH. 269A), Richmond, moves to a first adjacent (Ch. 268C3) channel which allows operation as a class C3 facility. All three changes

proposed herein can be accomplished in apparent compliance with all applicable Commission Rules. Significant increases in land areas and population served by all three facilities would be achieved by the changes proposed herein without affecting any other known Licenses, Construction Permits, Open Allocations, pending Applications, and pending Rule Makings.

**Respectfully Submitted,  
Broadcast Technical, Inc.**

By:   
\_\_\_\_\_  
**Kenneth Devine**

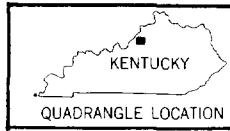
October, 1993

FIGURE 1  
 PROPOSED WLSY CH.267A FM SEPARATION STUDY  
 JOINT PETITION FOR RULEMAKING  
 WLSY, JEFFERSONTOWN      WTHQ, SHELBYVILLE      WMCQ, RICHMOND  
 KENTUCKY

REFERENCE		DISPLAY DATES
38 13 41 N	CLASS A	DATA 09-25-93
85 30 30 W	Current rules spacings	SEARCH 10-01-93
----- CHANNEL 267 -101.3 MHz -----		

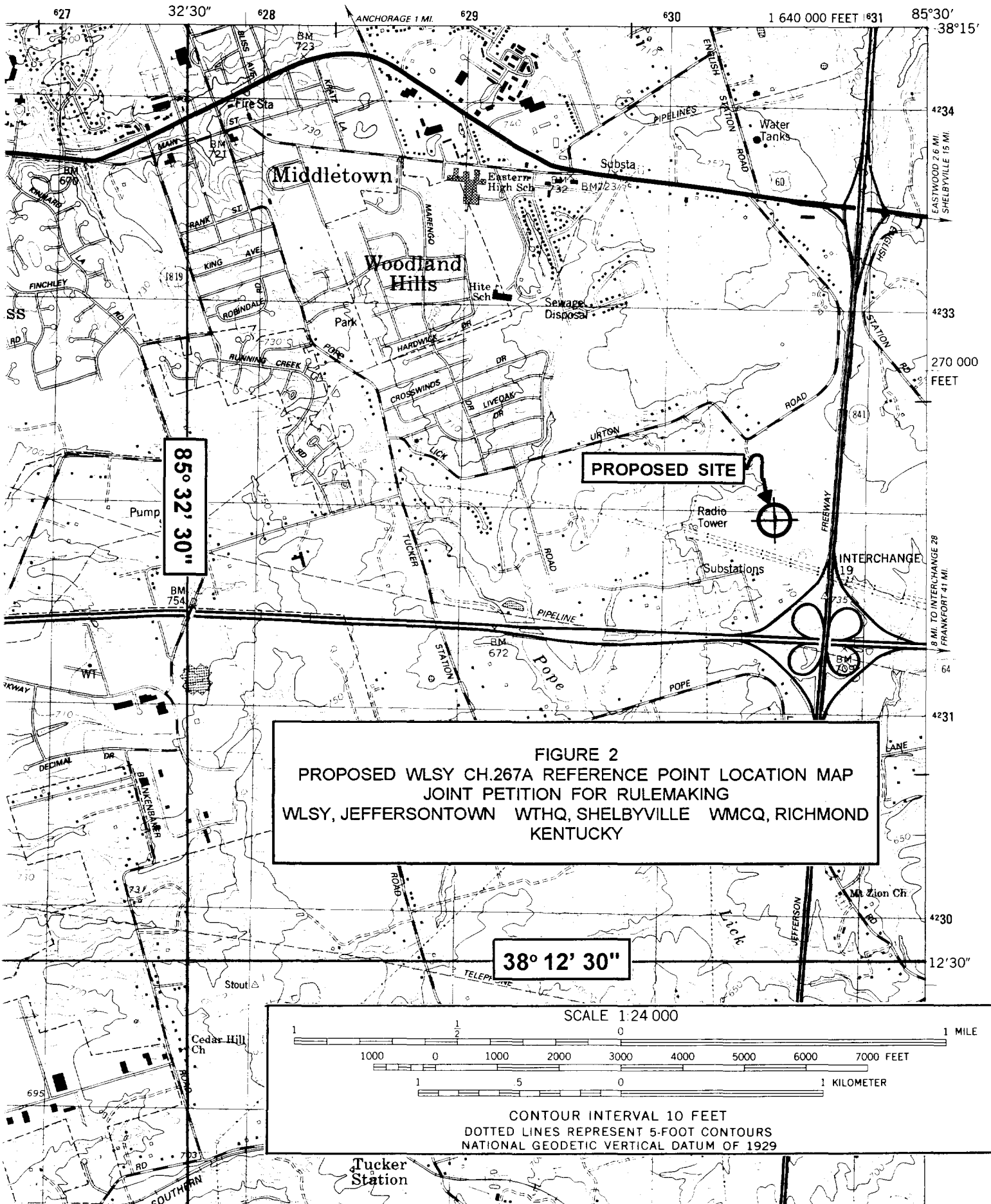
CALL TYPE	CH# LAT	CITY LNG	STATE PWR	BEAR' HT	D-KM D-Mi	R-KM R-Mi	MARGIN (KM)
WLSYFM	269A	Jeffersontown	KY	170.6	4.91	31.0	-26.09 *
LI CN	38 11 04	85 29 57	1.900 kW	126M	3.0	19.3	
		Channel Chek, Inc.			BLH900516KC		
WRZI.A	268A	Vine Grove	KY	218.3	72.11	72.0	0.11 <
AP CN	37 43 05	86 01 00	3.000 kW	100M	44.8	44.8	
		Larue County Broadcasting			BMPH930519IB		
WTHQ	269A	Shelbyville	KY	93.0	31.11	31.0	0.11 <
LI CN	38 12 48	85 09 13	3.000 kW	100M	19.3	19.3	
		WCND, Inc.			BLH891124KA		
WKKG	268B	Columbus	IN	340.1	113.14	113.0	0.14 <
LI CN	39 11 12	85 57 00	50.000 kW	150M	70.3	70.2	
		White River Broadcasting Co.,			BLH890619KA		
WRZI.C	268A	Vine Grove	KY	217.0	74.14	72.0	2.14 <
CPM CN	37 41 40	86 00 57	3.000 kW	100M	46.1	44.8	
		Larue County Broadcasting			BMPH921105IC		
WFMG	267B	Richmond	IN	15.8	184.21	178.0	6.21
LI CN	39 49 30	84 55 50	50.000 kW	78M	114.5	110.6	
		Mid-America Radio Group, Inc.			BLH800401AN		
WFMG.A	267B	Richmond	IN	15.5	186.73	178.0	8.73
AP ZCN	39 50 55	84 55 50	50.000 kW	150M	116.1	110.6	
		Mid-America Radio Group, Inc.			BPH890717IF		
>Amended 900119 & 930125							

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 END CHANNEL 267A STUDY

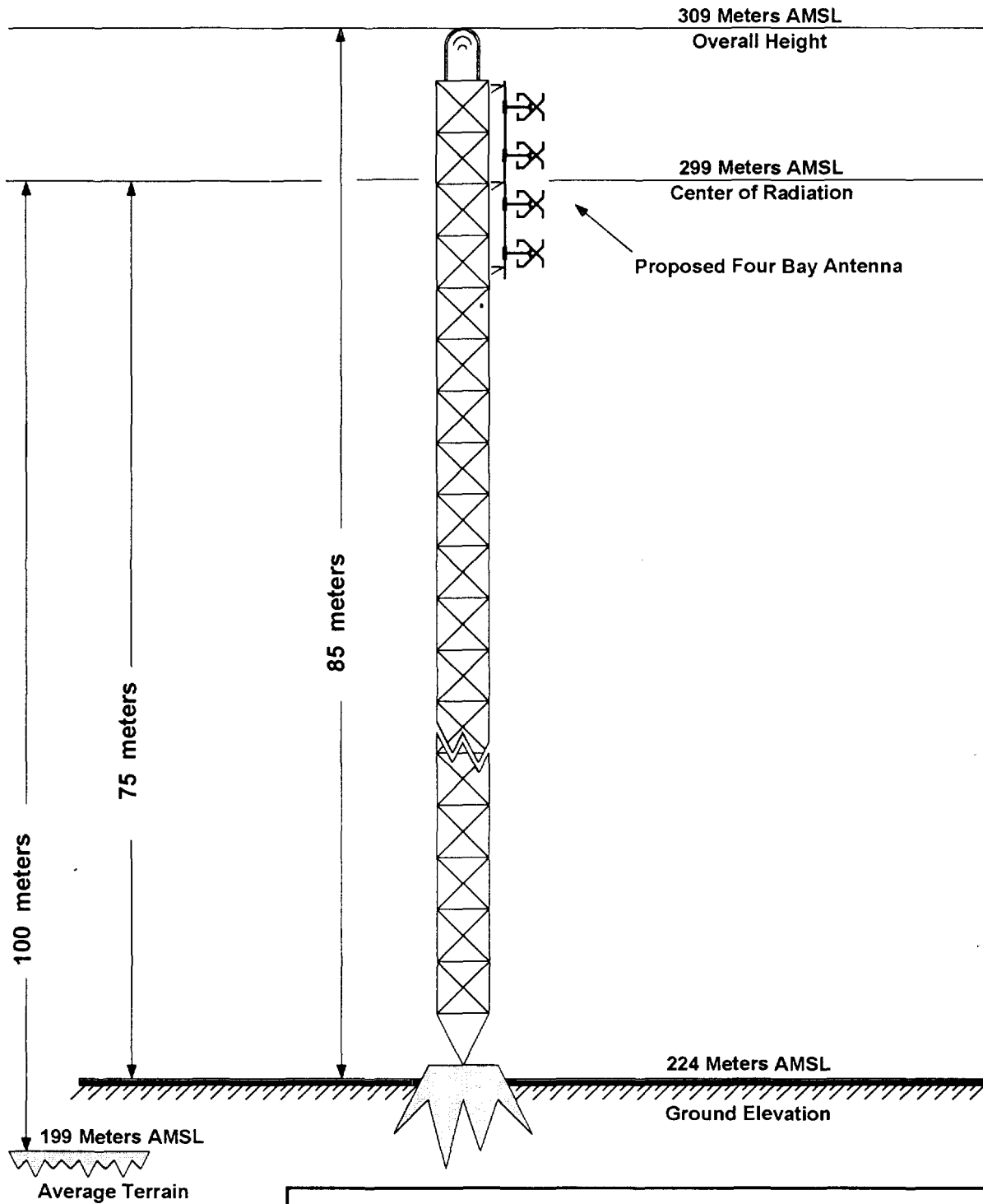


JEFFERSONTOWN QUADRANGLE  
KENTUCKY—JEFFERSON CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)  
NE/4 LOUISVILLE 15' QUADRANGLE

3880 IV SW  
(CRESTWOOD)



N. 38° 13' 41"  
W. 85° 30' 30"



Not to Scale

**FIGURE 3**  
**SKETCH OF THEORETICAL WLSY CH.267A TOWER AND ANTENNA**  
**JOINT PETITION FOR RULEMAKING**  
**WLSY, JEFFERSONTOWN WTHQ, SHELBYVILLE WMCQ, RICHMOND**  
**KENTUCKY**

FIGURE 4  
PROPOSED WLSY CH.267A REFERENCE POINT ELEVATION AND CONTOUR DATA  
JOINT PETITION FOR RULEMAKING

WLSY, JEFFERSONTOWN      WTHQ, SHELBYVILLE      WMCQ, RICHMOND  
KENTUCKY

ERP = 6 kW

Azimuth Deg T.	Ave. Elev. 3 to 16 km Meters AMSL	Effective Antenna Height Meters AAT	ERP (dBk)	F(50-50) Distance to 60 dBu Contour km	F(50-50) Distance to 70 dBu Contour km
0	214.3	84.7	7.782	26.2	14.7
15	222.2	76.8	7.782	25.0	14.0
30	210.1	88.9	7.782	26.8	15.1
45	206.7	92.3	7.782	27.2	15.4
60	210.3	88.7	7.782	26.7	15.1
75	217.0	82.0	7.782	25.8	14.5
90	214.6	84.4	7.782	26.1	14.7
105	218.5	80.5	7.782	25.5	14.3
120	210.0	89.0	7.782	26.8	15.1
135	201.7	97.3	7.782	27.9	15.9
150	196.6	102.4	7.782	28.6	16.4
165	196.0	103.0	7.782	28.7	16.5
180	190.7	108.3	7.782	29.4	16.9
195	183.4	115.6	7.782	30.2	17.6
210	201.0	98.0	7.782	28.0	16.0
225	205.3	93.7	7.782	27.4	15.5
240	183.5	115.5	7.782	30.2	17.6
255	175.3	123.7	7.782	31.1	18.2
270	178.5	120.5	7.782	30.8	17.9
285	175.7	123.3	7.782	31.1	18.1
300	178.0	121.0	7.782	30.8	18.0
315	186.0	113.0	7.782	29.9	17.3
330	195.9	103.1	7.782	28.7	16.5
345	208.0	91.0	7.782	27.1	15.3
<hr/>					
Ave. = 199.1 M      99.9 M					

Antenna Radiation Center AMSL = 299.0 M

Geographic Coordinates:

North latitude: 38 13 41  
West longitude: 85 30 30

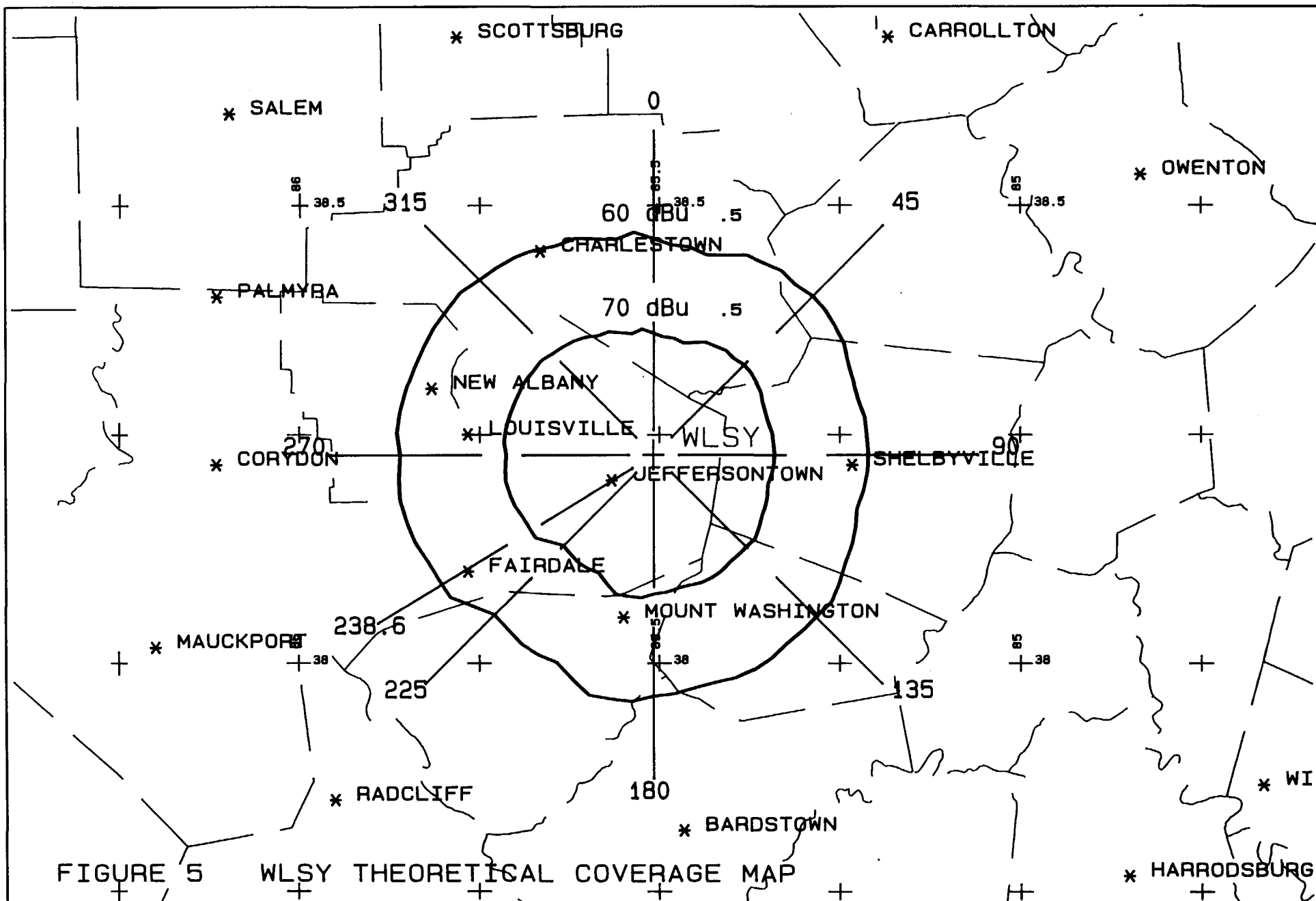
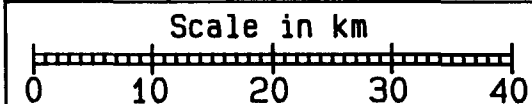


FIGURE 5 WLSY THEORETICAL COVERAGE MAP



WLSY 267A 6kW

N. Lat. 38 13 41

W. Lng. 85 30 30

WLSY COVERAGE

B-T-I - 10/93



FIGURE 6  
 PROPOSED WTHQ CH.269A FM SEPARATION STUDY  
 JOINT PETITION FOR RULEMAKING  
 WLSY, JEFFERSONTOWN      WTHQ, SHELBYVILLE      WMCQ, RICHMOND  
 KENTUCKY

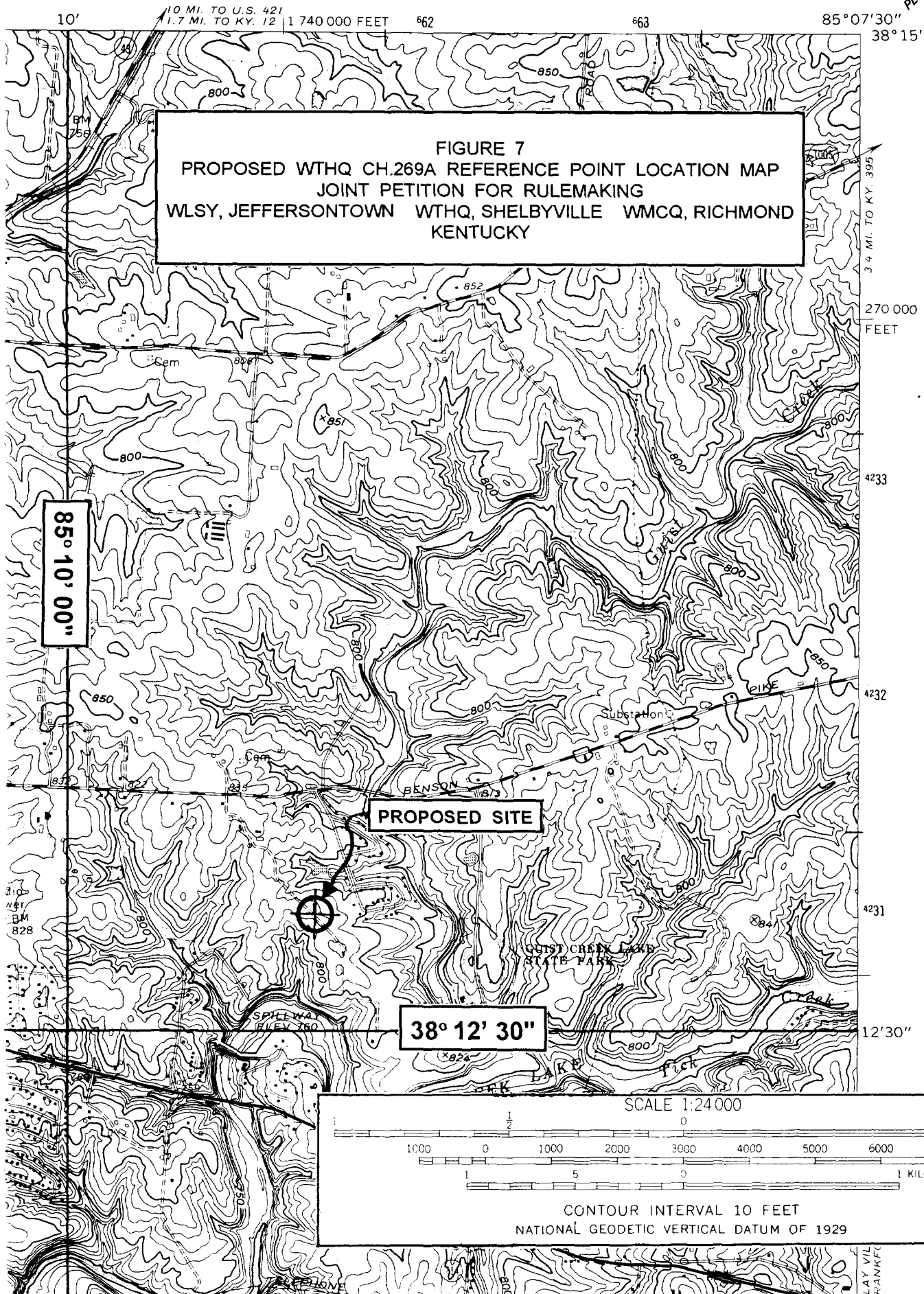
REFERENCE		DISPLAY DATES
38 12 48 N	CLASS A	DATA 09-25-93
85 09 13 W	Current rules spacings	SEARCH 10-01-93
----- CHANNEL 269 -101.7 MHz -----		

CALL TYPE	CH# LAT	CITY LNG	STATE PWR	BEAR' HT	D-KM D-Mi	R-KM R-Mi	MARGIN (KM)
WTHQ	267A	Shelbyville	KY	270.0	1.53	31.0	-29.47 *
LI CN	38 12 48	85 10 16	3.000 kW	100M	0.9	19.3	
	WCND, Inc.				BLH891124KA		
WLSYFM	267A	Jeffersontown	KY	273.0	31.11	31.0	0.11 <
LI CN	38 13 41	85 30 30	1.900 kW	126M	19.3	19.3	
	Channel Chek, Inc.				BLH900516KC		
WKYL.C	271A	Lawrenceburg	KY	131.1	31.48	31.0	0.48 <
CP CN	38 01 37	84 52 59	3.000 kW	100M	19.6	19.3	
	Finley Willis, Jr.				BPH880503MA		
WKRQ	270B	Cincinnati	OH	29.5	115.18	113.0	2.18 <
LI CN	39 06 58	84 30 05	16.000 kW	267M	71.6	70.2	
	Great American TV & Radio Co.				BLH880307KC		
WKKG	268B	Columbus	IN	327.3	128.35	113.0	15.35
LI CN	39 11 12	85 57 00	50.000 kW	150M	79.8	70.2	
	White River Broadcasting Co.,				BLH890619KA		

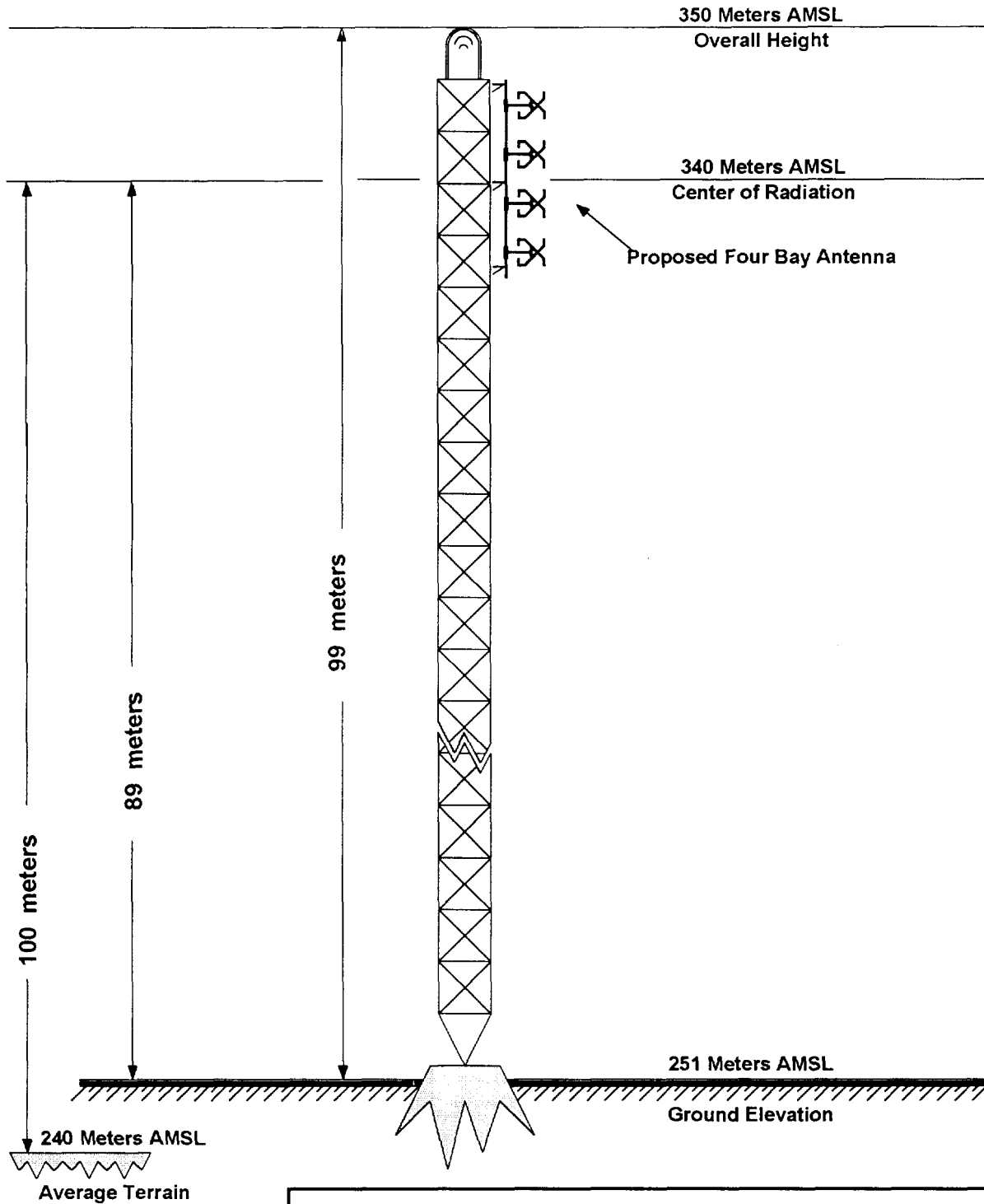
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 END CHANNEL 269A STUDY

SHELBYVILLE QUADRANGLE  
KENTUCKY-SHELBY CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)

3960' SE  
(NORTH  
PLEASUREVILLE)



N. 38° 12' 48"  
W. 85° 09' 13"



Not to Scale

FIGURE 8  
SKETCH OF THEORETICAL WTHQ CH.269A TOWER AND ANTENNA  
JOINT PETITION FOR RULEMAKING  
WLSY, JEFFERSONTOWN WTHQ, SHELBYVILLE WMCQ, RICHMOND  
KENTUCKY

FIGURE 9  
 PROPOSED WTHQ CH.269A REFERENCE POINT ELEVATION AND CONTOUR DATA  
 JOINT PETITION FOR RULEMAKING  
 WLSY, JEFFERSONTOWN      WTHQ, SHELBYVILLE      WMCQ, RICHMOND  
 KENTUCKY

ERP = 6 kW

Azimuth Deg T.	Ave. Elev. 3 to 16 km Meters AMSL	Effective Antenna Height Meters AAT	ERP (dBk)	F(50-50) Distance to 60 dBu Contour km	F(50-50) Distance to 70 dBu Contour km
0	245.3	94.7	7.782	27.6	15.6
15	258.2	81.8	7.782	25.7	14.4
30	255.7	84.3	7.782	26.1	14.7
45	243.0	97.0	7.782	27.9	15.9
60	255.5	84.5	7.782	26.1	14.7
75	250.0	90.0	7.782	26.9	15.2
90	240.0	100.0	7.782	28.3	16.2
105	244.4	95.6	7.782	27.7	15.7
120	254.3	85.7	7.782	26.3	14.8
135	267.1	72.9	7.782	24.4	13.7
150	256.4	83.6	7.782	26.0	14.6
165	242.5	97.5	7.782	28.0	15.9
180	231.8	108.2	7.782	29.4	16.9
195	225.5	114.5	7.782	30.1	17.5
210	214.8	125.2	7.782	31.3	18.3
225	229.9	110.1	7.782	29.6	17.1
240	221.3	118.7	7.782	30.6	17.8
255	217.8	122.2	7.782	31.0	18.1
270	223.1	116.9	7.782	30.4	17.7
285	228.1	111.9	7.782	29.8	17.3
300	229.1	110.9	7.782	29.7	17.2
315	237.7	102.3	7.782	28.6	16.4
330	240.8	99.2	7.782	28.2	16.1
345	244.7	95.3	7.782	27.7	15.7
<hr/>					
Ave. =	239.9 M	100.1 M			

Antenna Radiation Center AMSL = 340.0 M

Geographic Coordinates:

North latitude: 38 12 48  
 West longitude: 85 09 13

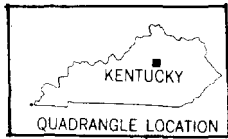


FIGURE 11  
 PROPOSED WMCQ CH.268C3 FM SEPARATION STUDY  
 JOINT PETITION FOR RULEMAKING  
 WLSY, JEFFERSONTOWN      WTHQ, SHELBYVILLE      WMCQ, RICHMOND  
 KENTUCKY

REFERENCE	CLASS C3	DISPLAY DATES
37 44 09 N		DATA 09-25-93
84 16 05 W	Current rules spacings	SEARCH 10-01-93
----- CHANNEL 268 -101.5 MHz -----		

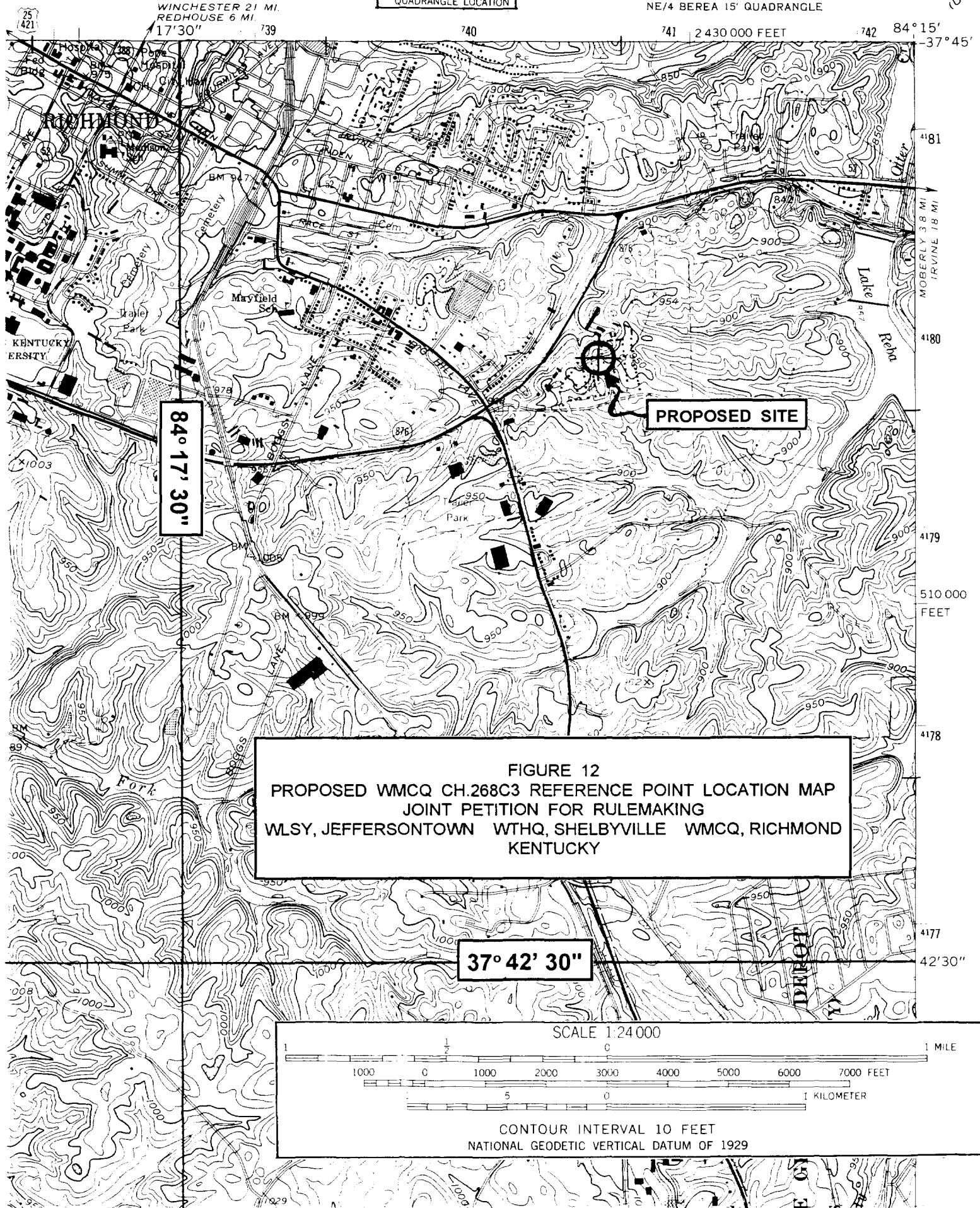
CALL TYPE	CH# LAT	CITY LNG	STATE PWR	BEAR' HT	D-KM D-Mi	R-KM R-Mi	MARGIN (KM)
WMCQFM	269A	Richmond	KY	0.0	0.00	89.0	-89.00 *
LI CN	37 44 09	84 16 05	3.000 kW	70M	0.0	55.3	
		WCBR Radio, Inc.			BLH5490		
WQUT	268C	Johnson City	TN	133.5	236.62	237.0	-0.38 *
LI CN	36 16 07	82 20 21	100.000 kW	457M	147.1	147.3	
		Tri-Cities Radio Corporation			BLH5459		
WMGG	268B	Gallipolis	OH	56.4	214.49	211.0	3.49
LI CN	38 48 19	82 13 36	50.000 kW	150M	133.3	131.1	
		Wagner Broadcasting Corp.			BLH870923KB		
WTHQ	267A	Shelbyville	KY	303.7	95.42	89.0	6.42
LI CN	38 12 48	85 10 16	3.000 kW	100M	59.3	55.3	
		WCND, Inc.			BLH891124KA		
WKKG	268B	Columbus	IN	317.6	217.92	211.0	6.92
LI CN	39 11 12	85 57 00	50.000 kW	150M	135.4	131.1	
		White River Broadcasting Co.,			BLH890619KA		
WLJC	271A	Beattyville	KY	105.7	53.17	42.0	11.17
LI CN	37 36 23	83 41 16	1.200 kW	159M	33.0	26.1	
		Hour of Harvest, Inc.			BMLH910102KA		

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 END CHANNEL 268C3 STUDY

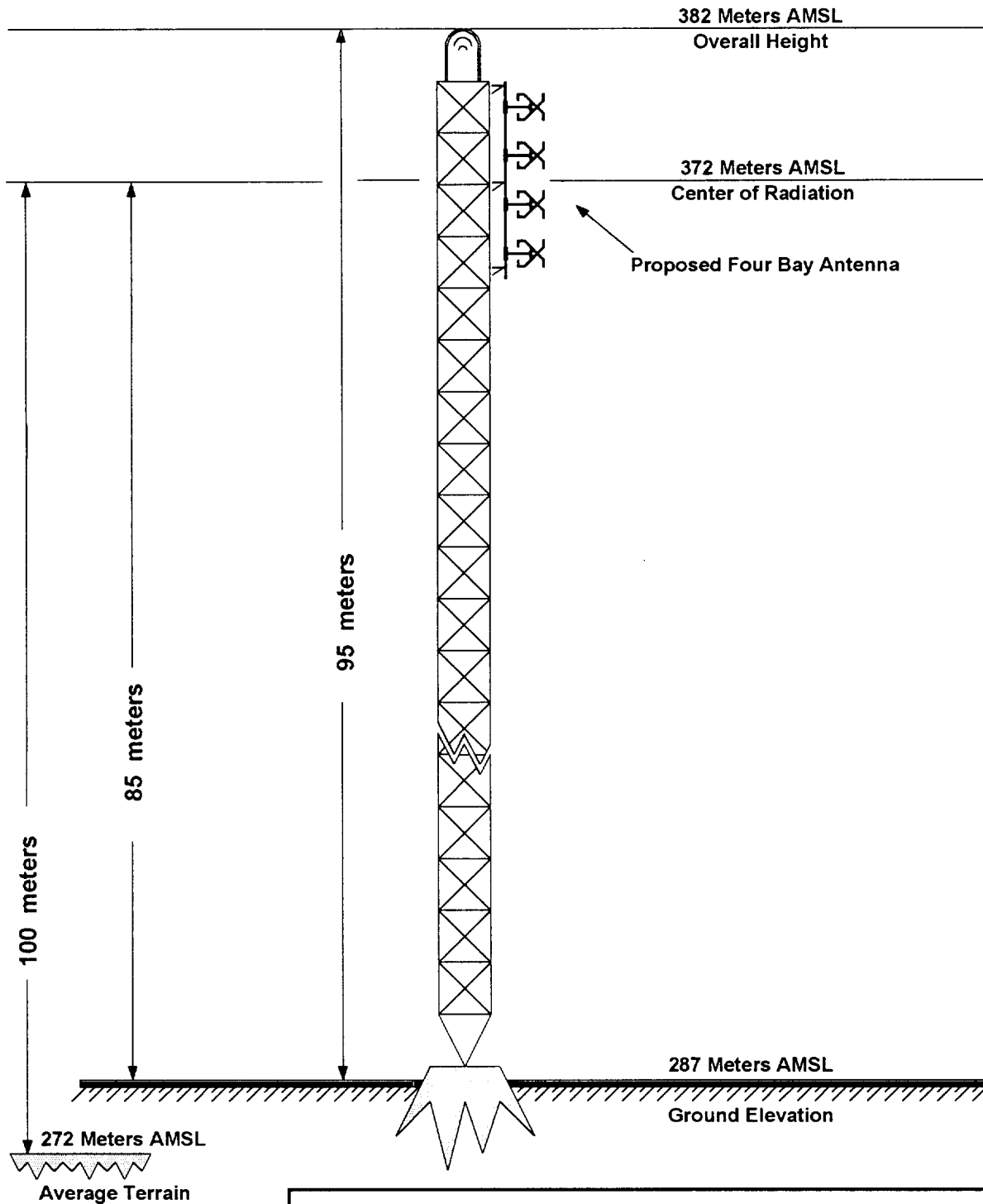


RICHMOND SOUTH QUADRANGLE  
KENTUCKY—MADISON CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)  
NE/4 BERE A 15' QUADRANGLE

4° 19' 1 SW  
(UNION CITY)



N. 37° 44' 09"  
W. 84° 16' 05"



Not to Scale

**FIGURE 13**  
**SKETCH OF THEORETICAL WMCQ CH.268C3 TOWER AND ANTENNA**  
**JOINT PETITION FOR RULEMAKING**  
**WLSY, JEFFERSONTOWN WTHQ, SHELBYVILLE WMCQ, RICHMOND**  
**KENTUCKY**



FIGURE 14  
 PROPOSED WMCQ CH.268C3 REFERENCE POINT ELEVATION AND CONTOUR DATA  
 JOINT PETITION FOR RULEMAKING  
 WLSY, JEFFERSONTOWN      WTHQ, SHELBYVILLE      WMCQ, RICHMOND  
 KENTUCKY

ERP = 25 kW

Azimuth Deg T.	Ave. Elev. 3 to 16 km Meters AMSL	Effective Antenna Height Meters AAT	ERP (dBk)	F(50-50) Distance to 60 dBu Contour km	F(50-50) Distance to 70 dBu Contour km
0	238.0	134.0	13.979	43.9	26.4
15	252.2	119.8	13.979	42.0	25.2
30	262.1	109.9	13.979	40.6	24.3
45	255.4	116.6	13.979	41.6	24.9
60	252.0	120.0	13.979	42.0	25.2
75	257.8	114.2	13.979	41.2	24.7
90	264.6	107.4	13.979	40.3	24.0
105	268.0	104.0	13.979	39.7	23.7
120	269.2	102.8	13.979	39.5	23.5
135	277.8	94.2	13.979	38.1	22.6
150	294.7	77.3	13.979	34.8	20.5
165	301.1	70.9	13.979	33.5	19.6
180	295.3	76.7	13.979	34.7	20.4
195	290.5	81.5	13.979	35.7	21.0
210	293.6	78.4	13.979	35.1	20.6
225	282.8	89.2	13.979	37.2	22.0
240	272.8	99.2	13.979	38.9	23.1
255	266.9	105.1	13.979	39.9	23.8
270	271.9	100.1	13.979	39.1	23.2
285	275.7	96.3	13.979	38.5	22.8
300	262.0	110.0	13.979	40.6	24.3
315	275.2	96.8	13.979	38.5	22.9
330	271.6	100.4	13.979	39.1	23.3
345	264.4	107.6	13.979	40.3	24.1
<hr/>					
Ave. =	271.5 M	100.5 M			

Antenna Radiation Center AMSL = 372.0 M

Geographic Coordinates:

North latitude: 37 44 09

West longitude: 84 16 05